

CLAIMS 1-20

The claims have been amended to correct the misspelling of “toroidal.” Comments overcoming the position that the claims lack novelty are submitted for review and reconsideration. It is believed that the cited art fails to render the claims non-novel and that instead, the claims are novel in view of the known art. Further, it is believed that the claims are unobvious in view of the cited art. Acceptance of the claims being novel and nonobvious is formally requested.

Claims 1-20 are novel and non-obvious over the prior art of record. US Patent No. 2,189,728 issued to Daniels (Daniels) was cited as relevant in rendering the claims as lacking novelty. This rejection is respectfully traversed. Claims 1, 7, and 11 require the use of “a turbine piston, coaxially coupled to the crank shaft, that travels in a circular path and is adjacent to the combustion chamber and **serves to seal the combustion chamber during combustion of an air/fuel mixture** and passes over the combustion chamber allowing the combustion chamber to open wherein the turbine piston is driven by a force generated by combustion of the fuel/air mixture within the combustion chamber as the combusted fuel/air mixture exits and is directed against the turbine piston to rotate the turbine piston and turn the crank shaft.” The Daniels reference fails to disclose or suggest a turbine piston that “seal(s) the combustion chamber during combustion of an air/fuel mixture.”

Further, the Daniels reference fails to suggest or teach to seal the combustion chamber during combustion with the turbine piston as claimed. Rather, the Daniels reference clearly teaches that the piston vane 62 travels past the valve 48 as the back portion of piston vane 62 forms part of the combustion chamber, rather than serve to seal the combustion chamber as is required in the claimed invention. (Figure 4, Page 3, Col. 2, line 58-Page 4, Col. 1, line 5)

Accordingly, Claims 1, 7, and 11, along with their depending claims, are novel and non-obvious over the art of record, especially the Daniels reference.